

**Stewart, Alvin**

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**From:** PLUS  
**Sent:** Thursday, May 18, 2006 11:19 AM  
**To:** Stewart, Alvin  
**Subject:** PLUS Results for 10656345

Here are the PLUS search results for 10656345.

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10656345\_QUAL.tx  
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10656345\_LIST.txt



10656345\_WEST.tx  
t



10656345\_EAST.txt



10656345.east



10656345\_CLS.txt



10656345\_CLSTITL10656345\_WDS.txt  
ES.txt

## PLUS Search Results for S/N 10656345, Searched May 18, 2006

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5013324  
5018285  
4908029  
5775916  
6120539  
6262332  
6270530  
6537313  
7044982  
4309488  
6132470  
4280233  
5683941  
5789802  
4281420  
4283799  
4336618  
4365357  
4457028  
4607617  
4620211  
4755865  
4865603  
4881536  
5002580  
5188800  
5336465  
5380328  
5442297  
5503558  
5510279  
5522896  
5525275  
5571185  
5578086  
5593451  
5658334  
5687788  
5697969  
5702487  
5769637  
5863295  
5897592  
5964803  
6007337  
6057184  
6096591  
6100173  
6129753  
6144883

10656345\_CLS.txt

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10656345 on May 18, 2006

Original Classifications

4	128/898
3	623/23.59
2	433/173
2	438/592
2	607/137
2	623/11.11
2	623/23.15
2	623/8

Cross-Reference Classifications

3	606/213
3	623/901
3	623/923
2	257/E21.199
2	438/305
2	600/37
2	623/23.76
2	623/8
2	623/926

Combined Classifications

5	128/898
4	623/8
3	606/213
3	623/23.59
3	623/901
3	623/923
2	257/E21.199
2	433/173
2	438/305
2	438/592
2	600/37
2	606/151
2	607/137
2	623/11.11
2	623/23.15
2	623/23.35
2	623/23.72
2	623/23.76
2	623/926

10656345\_CLSTITLES.txt

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10656345 on May 18, 2006

5 128/898 (4 OR, 1 XR)  
Class 128 : SURGERY  
128/897 MISCELLANEOUS  
128/898 .Methods

4 623/8 (2 OR, 2 XR)  
Class 623 : PROSTHESIS  
623/7 BREAST PROSTHESIS  
623/8 .Implantable

3 606/213 (0 OR, 3 XR)  
Class 606 : SURGERY  
606/1 INSTRUMENTS  
606/213 .Sutureless closure

3 623/23.59 (3 OR, 0 XR)  
Class 623 : PROSTHESIS  
623/11.11 IMPLANTABLE PROSTHESIS  
623/16.11 .Bone  
623/23.58 ..Polymers  
623/23.59 ...Polymer coating

3 623/901 (0 OR, 3 XR)  
Class 623 : PROSTHESIS  
623/901 METHOD OF MANUFACTURING PROSTHETIC DEVICE

3 623/923 (0 OR, 3 XR)  
Class 623 : PROSTHESIS  
623/920 METHOD OR APPARATUS FOR PREPARING OR TREATING  
PROSTHETIC  
623/923 .Bone

2 257/E21.199 (0 OR, 2 XR)  
Class 257 : ACTIVE SOLID-STATE DEVICES  
257/E21.001 PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE  
OR TREATMENT OF SEMICONDUCTOR OR SOLID-STATE  
DEVICES OR OF  
257/E21.002 .Manufacture or treatment of semiconductor  
device (EPO)  
257/E21.04 ..Device having at least one potential-jump  
barrier or surface barrier, e.g., PN junction,  
depletion  
257/E21.085 ...Device having semiconductor body comprising  
Group IV elements or Group III-V compounds with or  
without  
257/E21.158 ....Manufacture of electrode on semiconductor  
body using process other than by epitaxial growth,  
diffusion of impurities, alloying of impurity  
materials, or  
257/E21.19 .....Making electrode structure comprising  
conductor-insulator-semiconductor, e.g., MIS gate  
(EPO)  
257/E21.191 .....Insulator formed on silicon semiconductor  
body (EPO)  
257/E21.195 .....Characterized by conductor (EPO)

257/E21.197 .....Final conductor layer next to insulator being silicon e.g., polysilicon, with or without impurities (EPO)

257/E21.198 .....Conductor comprising at least another nonsilicon conductive layer (EPO)

257/E21.199 .....Conductor comprising silicide layer formed by silicidation reaction of silicon with metal layer (EPO)

2 433/173 (2 OR, 0 XR)  
 Class 433 : DENTISTRY  
 433/167 PROSTHODONTICS  
 433/172 .Holding or positioning denture in mouth  
 433/173 ..By fastening to jawbone

2 438/305 (0 OR, 2 XR)  
 Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/142 MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY FORMATION OR

438/197 ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS  
 .Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)

438/299 ..Self-aligned

438/301 ...Source or drain doping

438/303 ....Utilizing gate sidewall structure

438/305 .....Plural doping steps

2 438/592 (2 OR, 0 XR)  
 Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/584 COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL

438/585 .Insulated gate formation

438/592 ..Possessing plural conductive layers (e.g., polycide)

2 600/37 (0 OR, 2 XR)  
 Class 600 : SURGERY  
 600/37 INTERNAL ORGAN SUPPORT OR SLING

2 606/151 (1 OR, 1 XR)  
 Class 606 : SURGERY  
 606/1 INSTRUMENTS  
 606/151 .Surgical mesh, connector, clip, clamp or band

2 607/137 (2 OR, 0 XR)  
 Class 607 : SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION

607/1 LIGHT, THERMAL, AND ELECTRICAL APPLICATION

607/115 .Electrical energy applicator

607/116 ..Placed in body

607/137 ...Inner ear (e.g., cochlea)

2 623/11.11 (2 OR, 0 XR)  
 Class 623 : PROSTHESIS  
 623/11.11 IMPLANTABLE PROSTHESIS

2 623/23.15 (2 OR, 0 XR)  
 Class 623 : PROSTHESIS

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623/11.11      IMPLANTABLE PROSTHESIS  
623/16.11      .Bone  
623/18.11      ..Joint bone  
623/22.11      ...Hip joint bone  
623/23.15      ....Femoral stem

2 623/23.35      (1 OR, 1 XR)  
Class 623 : PROSTHESIS  
623/11.11      IMPLANTABLE PROSTHESIS  
623/16.11      .Bone  
623/18.11      ..Joint bone  
623/22.11      ...Hip joint bone  
623/23.15      ....Femoral stem  
623/23.35      .....Having particular geometry

2 623/23.72      (1 OR, 1 XR)  
Class 623 : PROSTHESIS  
623/11.11      IMPLANTABLE PROSTHESIS  
623/23.72      .Tissue

2 623/23.76      (0 OR, 2 XR)  
Class 623 : PROSTHESIS  
623/23.75      .Having bio-absorbable component  
623/23.76      .Having means to promote cellular attachment

2 623/926      (0 OR, 2 XR)  
Class 623 : PROSTHESIS  
623/924      MATERIAL CHARACTERISTIC  
623/926      .Synthetic

10656345\_WDS.txt

above 1  
absorbable 2  
absorbed 1  
abstract 1  
accompanying 1  
according 1  
achieved 1  
acid 4  
act 1  
acts 1  
additional 2  
additionally 1  
adjacent 1  
alcohol 1  
alimentary 1  
allografting 1  
along 6  
also 5  
altered 1  
an 11  
anchor 3  
anchoring 2  
anc1 1  
and 68  
animal 2  
another 11  
any 3  
apart 1  
appazent 1  
application 4  
appreciated 1  
are 12  
art 1  
as 9  
at 2  
attachment 3  
attempting 1  
attorney 1  
august 1  
autografting 1  
available 1  
backcround 1  
be 13  
because 1  
become 1  
being 7  
best 1  
between 10  
beyond 4  
bioabsorbable 4  
biocompatible 2  
biodegradation 1  
bioeompatible 1  
bioprosthetic 27  
bioprosthetics 3  
bioremodeling 1  
biotech 1  
bladder 1  
blends 1  
blooded 1  
bloomington 1  
body 5  
bottom 14

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braided 2  
braids 1  
brief 1  
bundles 1  
but 1  
by 6  
can 5  
carbonate 1  
carrying 1  
cattle 1  
changing 1  
characteristics 1  
circular 1  
circularly 1  
claims 1  
clean 1  
collagen 1  
collagens 1  
commercially 1  
communite 1  
compactum 1  
compare 1  
component 6  
composite 3  
comprise 3  
comprised 1  
comprises 1  
con 1  
configured 1  
connective 1  
conserved 1  
consideration 1  
construction 1  
continuation 1  
contribute 1  
cook 1  
coplanar 2  
copolymer 1  
copolymers 1  
couple 1  
coupled 5  
cross 1  
currently 2  
define 1  
definition 1  
degrade 1  
dehydrated 1  
delnminate 1  
density 1  
dep 7  
derived 1  
describe 1  
description 4  
detail 1  
detailed 2  
detinition 1  
device 32  
devices 2  
diameter 1  
different 1  
differential 1  
dinmeter 1  
docket 1

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donor 2  
drawings 2  
during 2  
each 7  
ecm 5  
ecms 2  
effective 1  
embodiment 3  
embodiments 3  
end 2  
ends 1  
enhanced 1  
ev 1  
even 1  
example 5  
exemplary 2  
exemplifying 1  
exploded 1  
express 1  
expressly 1  
extend 3  
extends 1  
extracellular 4  
extract 1  
fabric 1  
features 1  
ferguson 1  
fiber 3  
fibers 11  
field 1  
fig 13  
figures 1  
filed 2  
first 4  
following 1  
fonned 3  
fonns 1  
for 16  
form 1  
formed 10  
four 3  
from 7  
function 1  
further 5  
genital 1  
glycoproteins 1  
glycosaminoglycans 1  
handling 1  
has 1  
having 5  
hereby 1  
herein 3  
heterologous 1  
highly 1  
host 2  
however 1  
identify 2  
implant 2  
in 16  
include 11  
includes 5  
including 8  
incorporated 4

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inds 1  
ineludes 1  
information 1  
ingrowth 1  
initial 1  
injured 1  
intended 2  
intestinal 4  
intestine 3  
intestwal 1  
into 1  
invention 13  
is 35  
it 4  
joe 1  
jtp 2  
july 1  
klzrland 1  
knitted 2  
known 2  
lace 1  
larger 1  
layer 11  
layers 17  
length 7  
lie 10  
ligaments 1  
like 2  
limited 1  
line 1  
link 1  
ln 5  
Incorporated 1  
Inds 1  
Inmina 1  
International 1  
Invention 2  
longer 1  
longitudinally 2  
lvl 1  
made 3  
mail 1  
make 1  
malaviya 1  
mammals 1  
many 1  
material 10  
materials 2  
matrices 2  
matrix 4  
may 6  
means 3  
mechanical 3  
melican 1  
member 6  
members 2  
mesh 11  
method 1  
middle 5  
mode 1  
mole 1  
monofilaments 1  
mora 1

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more 2  
multiple 3  
mwhoring 1  
natural 2  
naturally 6  
no 5  
non 3  
nos 2  
not 3  
now 1  
number 1  
obtained 1  
occuning 1  
occurring 5  
of 98  
on 1  
one 2  
or 17  
order 3  
other 9  
out 1  
outer 4  
page 7  
pamela 1  
particularly 3  
patent 6  
patents 1  
patient 1  
pcl 1  
pct 1  
pdo 1  
perceived 1  
perspective 6  
pga 1  
pla 1  
plouhar 1  
polycaprolactone 1  
polydioxanone 1  
polyglycolic 2  
polylactic 2  
polyvinyl 1  
porcine 1  
portion 54  
portions 1  
positioned 13  
prasanna 1  
preferably 1  
preferred 2  
present 10  
presently 1  
priority 1  
properties 3  
propria 1  
prosthetic 1  
proteoglycans 1  
provide 2  
provided 6  
provides 1  
provisional 1  
publication 2  
publications 1  
purified 1  
purify 1

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purposes 2  
pva 1  
rate 1  
rates 1  
ratio 1  
reconstnltion 1  
reconstructed 1  
reconstruction 4  
refabricate 1  
reference 5  
refers 1  
reinforced 4  
reinforcement 6  
reinforcing 3  
related 1  
relates 2  
relation 2  
remodeling 2  
repair 3  
replaced 1  
replacement 1  
respectively 1  
respiratory 1  
restore 1  
rim 1  
row 5  
rows 2  
run 2  
ruptured 1  
same 2  
sandwiched 1  
scaffold 1  
scope 1  
second 4  
sectional 2  
see 2  
serial 1  
shaped 1  
sheep 1  
sheet 2  
showing 15  
shown 2  
similar 2  
sis 43  
site 1  
skilled 1  
slower 1  
sls 1  
small 7  
smml 1  
so 4  
sof 1  
soft 10  
sources 2  
sourees 1  
spaced 1  
species 2  
still 1  
stomach 1  
stratum 1  
strength 1  
structure 1  
structures 2

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submucosa 10  
such 3  
summrv 1  
surgery 2  
surrounding 5  
suture 1  
sutures 1  
suturing 1  
synthetic 21  
taken 2  
tendons 1  
textiles 1  
texture 1  
than 3  
that 9  
the 124  
there 2  
thereof 1  
these 2  
this 3  
those 1  
threads 1  
three 2  
through 1  
thus 1  
thzough 1  
tibers 4  
tissue 46  
tissues 2  
tluough 1  
tmc 1  
to 68  
top 15  
torn 1  
trimethylene 1  
two 3  
types 1  
under 1  
understood 1  
up 1  
upon 1  
urther 1  
us 1  
use 3  
used 4  
various 3  
view 8  
vl 1  
warm 1  
warped 1  
ways 1  
well 2  
where 3  
which 6  
while 2  
widely 1  
width 2  
will 2  
wing 2  
with 2  
within 5  
wo 3  
woven 2

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xenografting 1  
yarns 1  
yet 4